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(54) Doppler radar

(57) There is provided radar apparatus, and a method, for determining the approach velocity of a target whereby the target is first classified as a "target of interest" by a thresholding process applied to successive signals to identify potential targets. Doppler processing is then applied only to a selected portion of data relating to the target of interest.

This invention enables existing moving target indicator MTI radars (1) to be upgraded to give full Doppler capability without the excessive processing capacity required by conventional Doppler radars.

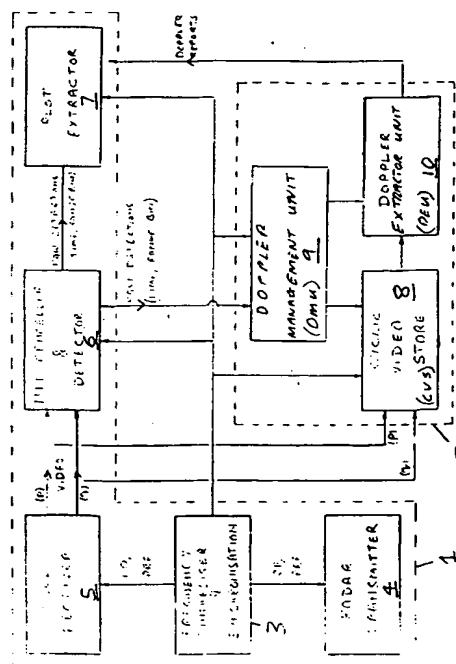


Figure 1



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 9035

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Y	* column 2, line 64 - column 3, line 47 * * column 5, line 59 - column 6, line 33 * ---	2,4,6, 10,17,18	
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Y	SKOLNIK, M.I.: "Introduction to Radar Systems" 1981, MCGRAW-HILL, US XP002107253 * page 101 - page 106; figure 4.4 * ---	2	
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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 25 June 1999	Examiner Niemeijer, R
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons Δ : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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